



**SUPPLEMENT**  
**CLEAN COPY OF CLAIMS**

**In the claims:**

Please amend the claims as follows:

1. (Currently Amended) A device for molding objects of plastic material, the device comprising:

an injection mold including two half-molds defining in a closed position, a plurality of injection cavities corresponding to said objects, wherein said half-molds undergo a translating reciprocal motion toward and away from each other, defining a closed position and an open position, respectively; an extraction arm for removing objects from the mold that is provided with reversible gripping elements for said objects, and that is translatable between a first position inserted into the space between said half-molds when the molds are in an open position, and a second position outside the half-molds; a conditioning turret having two sides in opposing relation, each side including a group of conditioning cups with means for receiving and retaining the molded objects, the turret being supported for rotational movement around an essentially horizontal axis followed by vertical displacement from a first higher position under the extraction arm and a second lower position; the device including an extraction table, the extraction table having gripping elements for engaging and extracting the objects from the conditioning turret cups, the extraction table being positioned beneath said second lower position of the

conditioning turret.

2. (Currently Amended) The device of claim 1, wherein the reciprocal motion of the half-molds is along a vertical axis.

3. (Currently Amended) The device of claim 2, wherein the reversible gripping elements of the extraction arm constitute a guillotine-like device.

4. (Currently Amended) The device of claim 3, wherein the translational movement of the extraction arm is horizontal.

5. (Currently Amended) The device of claim 4, wherein the gripping elements of the extraction table are formed by slots in the surface of the table having teeth configured to grip the molded objects in the cups.

6. (Currently Amended) A process for molding objects of plastic material using the device of claim 1, the process comprising the following steps:

a. injecting molten plastic material into a mold formed by two half-molds that define, in their closed position, a plurality of injection cavities,

b. solidifying molded objects in the mold to a predetermined degree of hardness that defines an injection cycle,

c. opening the half-molds,

d. inserting the extraction arm in the space between said half-molds,

e. extracting objects from the molds using the extraction arm,

f. transporting the objects to a position outside the half-molds,

g. transferring the objects to cups of the cooling turret provided with a plurality of conditioning cups for receiving the objects that are located on two sides positioned opposite each other,

h. cooling the objects to a predetermined temperature,  
i. rotating the turret around an essentially horizontal axis and  
vertically displacing the turret to a lower position, and  
j. extracting the objects from the cups using the gripping elements  
arranged on the extraction table.

7. (Currently Amended) The process of claim 6, wherein the opening of the half-molds is effected using a motion of relative reciprocal distancing.

8. (Currently Amended) The process of claim 7, wherein the number of turret conditioning cups is a multiple of the number of injection cavities and wherein the duration of the cooling step (h) is a multiple of the duration of the injection molding cycle.

9. (Currently Amended) The process of claim 8, wherein extracting the objects from the cups is performed by means of frictional contact with the slots in the extraction table adapted to engage predetermined portions of the molded objects.

10. (Currently Amended) The process of claim 9, wherein the slots have teeth-like surface projections.

11. (Currently Amended) The process of claim 10, wherein the objects are preforms and the teeth-like surface projections are inserted between a ring situated close to the neck of the preform and the end of the respective cup in which the preform is retained.